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1 [Exploiting perception in high-fidelity virtual environments](#)

Additional presentations from the 24th course are available on the citatio
Mashhuda Glenncross, Alan G. Chalmers, Ming C. Lin, Miguel A. Otaduy, Diego Gutierrez
July 2006 **SIGGRAPH '06: SIGGRAPH 2006 Courses**

Publisher: ACM [Request Permissions](#)

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The objective of this course is to provide an introduction to the issues that must be building high-fidelity 3D engaging shared virtual environments. The principles of hu guide important development of algorithms and techniques ...

Keywords: collaborative environments, haptics, high-fidelity rendering, human-co interaction, multi-user, networked applications, perception, virtual reality

2 [Verified interoperable implementations of security protocols](#)

Karthikeyan Bhargavan, Cedric Fournet, Andrew D. Gordon, Stephen Tse
December 2008 **Transactions on Programming Languages and Systems (TOPLA**

Publisher: ACM [Request Permissions](#)

Full text available: [Pdf \(1.55 MB\)](#) **Additional Information:** full citation, abstract, references, ind

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We present an architecture and tools for verifying implementations of security prot implementations can run with both concrete and symbolic implementations of crypt algorithms. The concrete implementation is for production and interoperability ...

Keywords: Functional programming, Web services, XML security, pi calculus

3 [Annotating UI architecture with actual use](#)

Neil Ramsay, Stuart Marshall, Alex Potanin
January 2008 **AUI C '08: Proceedings of the ninth conference on Australasian u: Volume 76**, Volume 76

Publisher: Australian Computer Society, Inc.

Full text available: [Pdf \(305.25 KB\)](#) **Additional Information:** full citation, abstract, references

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Developing an appropriate user interface architecture for supporting a system's tas the system's overall usability. While there are principles to guide architectural desi

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that the correct decisions are made can involve ...

Keywords: automated user testing, usage centered design, user interaction, user monitoring

4 Secure compilation of a multi-tier web language



Ioannis G. Baltopoulos, Andrew D. Gordon

January 2009 **TLDI '09**: Proceedings of the 4th international workshop on Types in language implementation

Publisher: ACM [Request Permissions](#)

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Storing state in the client tier (in forms or cookies, for example) improves the efficiency of an application, but it also renders the secrecy and integrity of stored data vulnerable to malicious clients. We study this general problem in the context ...

Keywords: compilers, cryptography, integrity, type systems, web application security, programming

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